

I CLAIM:

1. A heat-dissipating device for dissipating heat from a heat source unit to an ambient fluid, said heat-dissipating device comprising:

5 a heat-absorbing mechanism including a hollow primary housing that is made of a heat-conducting material and that is adapted to contact the heat source unit so as to permit heat transfer from the heat source unit to said primary housing, and a heat-conducting
10 fluid that is received within said primary housing so as to permit heat transfer from said primary housing to said heat-conducting fluid; and

 a heat-dissipating mechanism including
 a heat-conducting member that contacts said
15 heat-conducting fluid so as to permit heat transfer from said heat-conducting fluid to said heat-conducting member,

 a heat-dissipating fin unit that is mounted to said heat-conducting member so as to permit heat
20 transfer from said heat-conducting member to said heat-dissipating fin unit and that is adapted to be exposed within the ambient fluid so as to permit heat transfer from said dissipating fin unit to the ambient fluid, and

25 a driving unit connected to said heat-dissipating fin unit so as to drive said heat-dissipating fin unit to move within the ambient

fluid.

2. The heat-dissipating device as claimed in Claim 1,
wherein said driving unit is configured as an electrical
motor, said conducting member being configured as a
5 motor shaft that is rotated by said electrical motor,
said heat-dissipating fin unit including a plurality
of fins that are connected fixedly to and that extend
radially and outwardly from said motor shaft so that
said electrical motor can rotate said fins about said
10 motor shaft.
3. The heat-dissipating device as claimed in Claim 2,
wherein said primary housing has an interior chamber
for receiving said heat-conducting fluid therein, said
motor shaft being hollow and being formed with a central
15 bore that has a closed end proximate to said electrical
motor, and an open end in fluid communication with said
interior chamber in said primary housing.
4. The heat-dissipating device as claimed in Claim 3,
wherein said heat-dissipating mechanism further
20 includes a plurality of tubes that are connected
respectively and fixedly to said fins, each of said
tubes having a closed outer end, and an open inner end
in fluid communication with said central bore in said
motor shaft.
- 25 5. The heat-dissipating device as claimed in Claim 4,
wherein each of said tubes extends along a spiral path
on a respective one of said fins.

6. The heat-dissipating device as claimed in Claim 3,
wherein each of said fins is hollow, and is formed with
an interior space that has a closed radial outer end
and an open radial inner end, which is in fluid
5 communication with said central bore in said motor
shaft.
7. The heat-dissipating device as claimed in Claim 6,
wherein said heat-absorbing mechanism further includes
a hollow secondary housing that is adapted to contact
10 the heat source unit so as to permit heat transfer from
the heat source unit to said secondary housing, and a
conduit that is connected removably to and that is in
fluid communication with said primary and secondary
 housings.
- 15 8. The heat-dissipating device as claimed in Claim 2,
wherein said heat-dissipating mechanism further
includes a bearing unit, said motor shaft being
journalled on said primary housing by means of said
bearing unit, said primary housing having a contacting
20 wall that is adapted to contact the heat source unit,
and a mounting wall that is parallel to said contacting
wall and that is formed with a circular hole
therethrough, said motor shaft extending into said
primary housing through said circular hole and being
25 formed with an outward flange that is disposed in said
primary housing and that has a diameter which is larger
than that of said circular hole in said primary housing

so as to prevent removal of said motor shaft from said primary housing.